

## Listing of Claims

1. - 33. (cancelled)

1           34. (new) A machine for making a screen combination for a screen assembly  
2 for a shale shaker, the shale shaker including vibratory apparatus for vibrating the  
3 screen assembly to facilitate screening action by the screen assembly, the screen  
4 assembly able to withstand vibratory force imparted thereto by the vibratory  
5 apparatus, the shale shaker for treating wellbore drilling fluid to separate components  
6 thereof, said fluid containing drilling fluid with solids entrained therein, the machine  
7 comprising

8                   powered moving mechanical glue application means for applying  
9 glue to at least one layer of screening material, the glue is heated moisture-  
10 curing hot melt glue,

11                   said powered moving mechanical glue application means including  
12 at least one glue dispensing manifold with a plurality of spaced-apart glue  
13 dispensing nozzles positionable above the at least one layer of screening  
14 material to apply a glue pattern on the at least one layer of screening material,  
15 said screening material having a plurality of holes therethrough for the passage  
16 of drilling fluid therethrough, said screening material's holes sized to prevent  
17 solids in the drilling fluid from passing therethrough,

18                   means for combining the at least one layer of screening material  
19 with a second layer of screening material to form a screen combination,

20                   means for moving the screen combination apart from the powered  
21 moving mechanical glue application means, and

22                   means for cutting part of the screen combination from the screen  
23 combination.

1           35. (new) The machine of claim 34 wherein the screening material is made  
2 from stainless steel strands.

1           36. (new) The machine of claim 34 wherein

2                   the glue pattern comprises a first sub-pattern area and a second  
3 sub-pattern area,

4 the first sub-pattern area including a plurality of spaced-apart  
5 shapes with a first dimension,

6 the second sub-pattern area including a plurality of shapes with a  
7 second dimension,

8 the first dimension smaller than the second dimension so that  
9 solids moving over screening material with the first sub-pattern and with the  
10 second sub-pattern will move slower over the first sub-pattern than over the  
11 second sub-pattern.

1 37. (new) The machine of claim 36 wherein

2 the screen assembly has a first side spaced-apart from a second  
3 side, and

4 the first sub-pattern and the second sub-pattern extend from the  
5 first side to the second side.

1 38. (new) The machine of claim 34 wherein the at least one layer of screening  
2 material is three layers of screening material.

1 39. (new) The machine of claim 34 wherein the at least one layer of screening  
2 material is at least two layers of screening material and the machine further comprising  
3 means for sewing together with sewing material the at least two  
4 layers of screening material.

1 40. (new) The machine of claim 34 wherein the means for moving the screen  
2 combination is dual opposed driven rollers between which the screen combination  
3 passes.

1 41. (new) The machine of claim 40 further comprising

2 the dual opposed driven rollers comprising a first roller and a  
3 second roller,

4 the first roller drive by a first drive motor,

5 clutch apparatus interposed between the first roller and the first  
6 drive motor,

7 control apparatus for controlling rate of rotation of both the first  
8 roller and the second roller and for controlling the clutch apparatus,

9 sensor apparatus for sensing rate of rotation of the second roller,

10 the sensor apparatus in communication with the control apparatus,

11 the control apparatus also for maintaining rate of rotation of the  
12 first roller and of the second roller substantially the same.

1 42. (new) The machine of claim 41 further comprising  
2 control apparatus for controlling the machine.

1 43. (new) The machine of claim 40 wherein each of the dual opposed driven  
2 rollers has its own dedicated drive motor.

1 44. (new) The machine of claim 40 wherein at least one of the dual opposed  
2 driven rollers is substantially covered with material for inhibiting glue from sticking to  
3 said roller.